

comprised of antigen {having an affinity for the F(ab) fragments},  
embedded in a polyacrylamide matrix, whereby the F(ab) fragments  
are isolated from the F(c) fragments for subsequent recovery.

21. (Amended) An F(ab)<sub>2</sub> fragment extracted from an antibody  
containing source according to [the process of claim 9] a process  
comprising:

contacting the antibody containing source with a pepsin-  
polyacrylamide matrix to obtain a solution containing F(ab)<sub>2</sub> and  
F(c) fragments; and

passing the solution containing the F(ab)<sub>2</sub> and F(c)  
fragments through an affinity chromatography system having a gel  
comprised of an antigen (having an affinity for the F(ab)<sub>2</sub>  
fragments) embedded in a polyacrylamide matrix, whereby the F(ab)<sub>2</sub>  
fragments are isolated from the F(c) fragments for subsequent  
recovery.

22. (Amended) An IgG molecule extracted from a bulk  
antibody containing source according to [the process of claim 17]  
a process comprising: passing the bulk antibody containing source  
through an affinity chromatography system having a gel comprised  
of an antigen having an affinity for the IgG antibody embedded in  
a polyacrylamide matrix, whereby the IgG antibody is isolated from  
the bulk antibody containing source for subsequent recovery.

23. (Amended) An F(ab) fragment extracted from [a  
polyvalent IgG(T) source according to the process of claim 1] an  
antibody containing source according to the process of claim 20  
wherein the antibody containing source is polyvalent IgG(T).